	Application No.	Applicant(s)	
Notice of Allowability	10/767,845	VAKRAT ET AL.	
	Examiner	Art Unit	
	Yolanda L. Wilson	2113	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to <u>07/17/2007</u>.

2. ☒ The allowed claim(s) is/are <u>1-17,19-22,24-32 and 34</u>.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Noel Kivlin on September 25, 2007.

The application has been amended as follows:

Claims

2.   Please cancel claims 18,23, and 33.

3.   **Claim 15**. "A method for testing computing devices, the method

comprising: providing a suite of test programs on a server for execution by a plurality of

said computing devices that are coupled to said server; receiving requests at said

server from said computing devices requesting said server to provide test programs to

said computing devices; assigning a respective unique identifier to each of said

computing devices, for use in communicating with said server; making respective

allocations comprising different ones of said test programs for said computing devices;

distributing said different ones of said test programs from said server to said computing

devices for concurrent execution thereof by said computing devices; receiving

messages at said server from said computing devices upon completion said execution

of said distributed test programs, wherein each of said messages includes a request to

determine a next test to execute at the corresponding computing device and also

includes said respective unique identifier; and in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed."

Should be

"A method for testing computing devices, the method comprising: providing a suite of test programs on a server for execution by a plurality of said computing devices that are coupled to said server; receiving requests at said server from said computing devices requesting said server to provide test programs to said computing devices; assigning a respective unique identifier to each of said computing devices, for use in communicating with said server; making respective allocations comprising different ones of said test programs for said computing devices; distributing said different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices; receiving messages at said server from said computing devices upon completion said execution of said distributed test programs, wherein each of said messages includes a request to determine a next test to execute at the corresponding computing device and also includes said respective unique identifier; in response to receiving said messages, iterating said step of distributing test programs until all of said test programs in said suite have been executed; detaching an attached one of said computing devices from said server; and marking unexecuted ones of said test programs that were distributed to said one of said computing devices to indicate that these test programs were not executed by said one of said computing devices."

4.   **Claim 20**. "A computer software product, comprising a computer-readable

storage medium in which computer program instructions are stored, which instructions,

when read by a computer, cause the computer to perform a method for testing

computing devices, the method comprising: accessing a suite of test programs that are

stored on a server for execution by a plurality of said computing devices that are

coupled to said server; receiving requests at said server from said computing devices

requesting said server to provide test programs to said computing devices; assigning a

respective unique identifier to each of said plurality of said computing devices, for use in

communicating with said server; making respective allocations comprising different

ones of said test programs for said computing devices; distributing said different ones of

said test programs from said server to said computing devices for concurrent execution

thereof by said computing devices; receiving messages at said server from said

computing devices upon completion said execution of said distributed test programs,

wherein each of said messages includes a request to determine a next test to execute

at the corresponding computing device and also includes said respective unique

identifier; and in response to receiving said messages, iterating said step of distributing

test programs until all of said test programs in said suite have been executed."

Should be

"A computer software product, comprising a computer-readable storage medium in

which computer program instructions are stored, which instructions, when read by a

computer, cause the computer to perform a method for testing computing devices, the

method comprising: accessing a suite of test programs that are stored on a server for

execution by a plurality of said computing devices that are coupled to said server;

receiving requests at said server from said computing devices requesting said server to

provide test programs to said computing devices; assigning a respective unique

identifier to each of said plurality of said computing devices, for use in communicating

with said server; making respective allocations comprising different ones of said test

programs for said computing devices; distributing said different ones of said test

programs from said server to said computing devices for concurrent execution thereof

by said computing devices; receiving messages at said server from said computing

devices upon completion said execution of said distributed test programs, wherein each

of said messages includes a request to determine a next test to execute at the

corresponding computing device and also includes said respective unique identifier; in

response to receiving said messages, iterating said step of distributing test programs

until all of said test programs in said suite have been executed detaching one of said

computing devices from said server; and marking unexecuted ones of said test

programs that were distributed to said one of said computing devices to indicate that

these test programs were not executed by said one of said computing devices."

5.   **Claim 31**. "A server for testing computing devices, comprising: a communication

interface for coupling a plurality of said computing devices thereto; and a processor

configured to access a suite of test programs for execution by said computing devices

that are coupled to said server; wherein said processor is configured to receive requests

from said computing devices requesting said server to provide test programs to said

computing devices; wherein said processor is configured to_assign a respective unique

identifier to each of said computing devices for use in communicating with said server;

wherein said processor is configured to make respective allocations comprising different

ones of said test programs for said computing devices; wherein said processor is

configured to distribute said different ones of said test programs from said server to said

computing devices for concurrent execution thereof by said computing devices; wherein

said processor is configured to receive messages from said computing devices

indicating completion of said execution of said distributed test programs, wherein each

of said messages includes a request to determine a next test to execute at the

corresponding computing device and also includes said respective unique identifier; and

wherein, in response to receiving said messages, said processor is configured to

distribute remaining ones of said test programs iteratively to said computing devices for

execution thereof until all of said test programs in said suite have been executed."

Should be

"A server for testing computing devices, comprising: a communication interface for

coupling a plurality of said computing devices thereto; and a processor configured to

access a suite of test programs for execution by said computing devices that are

coupled to said server; wherein said processor is configured to receive requests from

said computing devices requesting said server to provide test programs to said

computing devices; wherein said processor is configured to assign a respective unique

identifier to each of said computing devices for use in communicating with said server;

wherein said processor is configured to make respective allocations comprising different

ones of said test programs for said computing devices; wherein said processor is

configured to distribute said different ones of said test programs from said server to said

computing devices for concurrent execution thereof by said computing devices; wherein

said processor is configured to receive messages from said computing devices

indicating completion of said execution of said distributed test programs, wherein each

of said messages includes a request to determine a next test to execute at the

corresponding computing device and also includes said respective unique identifier;

wherein, in response to receiving said messages, said processor is configured to

distribute remaining ones of said test programs iteratively to said computing devices for

execution thereof until all of said test programs in said suite have been executed;

wherein, in response to one of said computing devices being detached from said server,

said processor is configured to mark unexecuted ones of said test programs that were

distributed to said one of said computing devices to indicate that these test programs

were not executed by said one of said computing devices."

Reasons for Allowance

6.   The following is an examiner's statement of reasons for allowance: The primary

reason for the allowance of claims 1-7 is the inclusion of the following limitations:

'distributing different ones of said test programs from said server to said computing

devices for concurrent execution thereof by said computing devices; in response to one of said computing devices being detached from said server, marking unexecuted ones of said test programs that were distributed to said one of said computing devices to indicate that these test programs were not executed by said one of said computing devices'. The primary reason for the allowance of claims 8-14 is the inclusion of the following limitations: 'distributing different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices; in response to one of said computing devices being detached from said server, marking unexecuted ones of said test program that were distributed to said one of said computing devices to indicate that these test programs were not executed by said one of said computing devices'.

The primary reason for the allowance of claims 15-17,19 is the inclusion of the following limitations: 'distributing different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices; detaching an attached one of said computing devices from said server; and marking unexecuted ones of said test programs that were distributed to said one of said computing devices to indicate that these test programs were not executed by one of said computing devices'.

The primary reason for the allowance of claims 20-22,24 is the inclusion of the following limitations: 'distributing different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices; detaching an attached one of said computing devices from said server; and marking

unexecuted ones of said test programs that were distributed to said one of said computing devices to indicate that these test programs were not executed by one of said computing devices'.

The primary reason for the allowance of claims 25-30 is the inclusion of the following limitations: 'wherein said processor is configured to distribute different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices; wherein in response to one of said computing devices being detached from said server said processor is configured to mark unexecuted ones of said test programs that were distributed to said one of said computing devices to indicate that these test programs were not executed by one of said computing devices'.
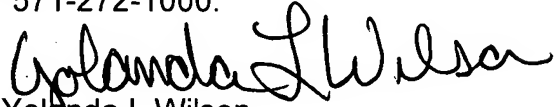
The primary reason for the allowance of claims 31,32,34 is the inclusion of the following limitations: 'wherein said processor is configured to distribute different ones of said test programs from said server to said computing devices for concurrent execution thereof by said computing devices; wherein in response to one of said computing devices being detached from said server said processor is configured to mark unexecuted ones of said test programs that were distributed to said one of said computing devices to indicate that these test programs were not executed by one of said computing devices'. These limitations are listed in the above specified groups of claims. No prior art references included any of these limitations and they are seen as being nonobvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yolanda L. Wilson whose telephone number is (571) 272-3653. The examiner can normally be reached on M-F (7:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Primary Examiner
Art Unit 2113